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Notice of Allowability	Application No.	Applicant(s)	
	09/557,530	OSTERHOUT ET AL.	
	Examiner	Art Unit	
	Thai D Hoang	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 02/07/2005.
2. ☒ The allowed claim(s) is/are 3,6,8-12,14,2,4,13,17,19-22,18,23-25,30-36 and 41, have been renumbered as 1-28 respectively.
3. ☒ The drawings filed on 24 February 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

Claims 3, 6, 8-12, 14, 2, 4, 13, 17, 19-22, 18, 23-25, 30-36 and 41, have been renumbered as 1-28 respectively.

Claims 1-28 are allowed.

The following is an examiner's statement of reasons for allowance:

Hannah, US Patent No. 5,784,581, discloses an apparatus and method for operating a peripheral device as either a master device or a slave device. Donovan et al. US Patent No. 6,453,034, discloses a method of and system for extending Internet telephony over virtual private network direct access lines.

Both Hannah and Donovan et al. do not teach or fairly suggest the following features, which are recited in each independent claim of the present application:

(a) A method of communications between a first device and a Universal Serial Bus (USB) peripheral device over a network, comprising:

receiving, by a system, a message from the first device to establish a communications session with the USB peripheral device, the message being according to a first protocol defining real-time interactive sessions;

establishing a communications session between the first device and the system over the network; and

converting, in the system, between data according to the first protocol and data according to a second protocol that defines a USB peripheral link from the system to the USB peripheral device,

wherein establishing the communications session includes establishing one of a Session Initiation Protocol session and an H.323 session, as recited in claims 1, 21 and 28.

(b) A system comprising:

a first interface capable of communicating with a packet-based network according to a first protocol that defines real-time interactive communications sessions received over the packet-based network;

a second interface capable of communicating with a peripheral device according to a second protocol; and

a controller to convert a message according to the first protocol to data according to the second protocol for communicating to the peripheral device,

wherein the peripheral device includes a Universal Serial Bus device,

wherein the first protocol includes one of a Session Initiation Protocol and an H.323 Recommendation, as recited in claim 12.

(c) An article including one or more machine-readable storage media containing instructions for controlling a system coupled to a packet-based network and a peripheral link, the instructions when executed causing the system to:

communicate a message over the packet-based network, the message defined according to a Session Initiation Protocol;

convert between the message and data according to a second protocol defining communications over the peripheral link; and

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communicate the data over the peripheral link, the peripheral link selected from the group consisting of a Universal Serial Bus port, a parallel port, a serial port, a Small Computer Syytems Interface port, and a Personal Computer Memory Card International Association port, as recited in claim 23.

(d) Claims 9-11 and 17-20 are allowed for reasons given in the previous office action filed on 11/30/2004.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-18:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thai Hoang



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3/04/08